ESDS Software Reuse WG:
2005 Outreach and Education Activities

Robert R. Downs

NASA SEDAC / Columbia University

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Software Reuse WG Outreach and Education Strategy

Audience (ESE community processing, producing, & disseminating data)
Identify Outreach and Education Activities for Each Audience Segment
Explore Communication Opportunities for Each Activity and Audience
Prioritize Activities to Optimize Capabilities and Interests of Team
- Reuse WG Members Presenting on reuse at Relevant ESE Community Events
- Introduce Reuse, Reuse WG Activities, Success Stories, Lessons Learned

Develop and Identify Resources to Foster Reuse Awareness & Understanding
- Online Bibliography Linking to White Papers and Articles on Value of Reuse
- Project Case Studies and Success Stories Describing Reuse Experiences
- Reuse Tools: Guides, Tutorials, Techniques, Plans, & Examples of Reuse
  - On Identifying Opportunities for Reuse and Getting Others to Cooperate
  - On Initiating Reuse and Establishing Reuse Capabilities and Practices
  - On Overcoming Obstacles to Reuse and Improving Reuse Practices

Submit Articles to ESE Journals, Magazines, and Bulletins
Post Reuse WG Announcements on List-servers & Newsletters
Establish Community Collaboration Forum for Sharing Reuse Experiences
Create Portal to Disseminate Outreach and Education Resources on Reuse

FY 2005 Presentations by Reuse WG Members To ESE Community

- Downs, R. R., Giles, D. M., & Olding, S. (October 18, 2004). Reuse Portal Planning to Support Reuse by the Scientific Community. Poster Presentation. Second NASA Earth Science Data System Working Group Joint Working Group Meeting, Sponsored by the National Aeronautics and Space Administration (NASA), October 18-19, 2004, Greenbelt, MD.
- Downs, R. R., Giles, D. M., & Olding, S. (January 5, 2005). Earth Science Reuse Portal Prototype. Technical Poster presented by S. Olding. Fourteenth Federation of Earth Science Information Partners (ESIP) Assembly Meeting, January 4-6, 2005, Washington, DC
- Downs, R. R., Giles, D. M., & Olding, S. (June 15 , 2005). Earth Science Reuse Portal. Poster presented by S. Olding. Fifteenth Federation of Earth Science Information Partners (ESIP) Assembly Meeting, San Diego,CA
- Gerard, R. et. Al. Promoting Reuse Within the Earth Science Community. Poster Session. AGU 2005 Joint Assembly, 23–27 May 2005, New Orleans, LA
- Wolfe, R. et. Al. NASA ESDS Software Reuse WG Breakout Session. ESIP Federation 2005 Summer Meeting, 14 June 2004, San Diego, CA
  - Olding, S. Gerard, R. Reuse portal presentation
  - Goodman, M. HQ Review of Reuse Recommendations – Discussion
  - Falke, S. SHAirED
  - Jasmin, T. Satellite Observations in Science Education (SOSE)
  - Teng, B. Simple, Scalable, Script-based Science Processor for Measurements (S4PM)
  - Swick, R. JAVA search and order interface for V0 datasets

Developing and Identifying Resources to Foster Reuse Awareness & Understanding During FY2005

Reuse Tools: Guides, Tutorials, Techniques, Plans, & Examples of Reuse

- On Identifying Opportunities for Reuse and Getting Others to Cooperate
  - Online Calendar of Conferences and Meetings Relevant to Reuse (Updated for 2005)
  - Identified Additional Links to Websites Relevant to Software Reuse
  - Drafted Bibliography of Papers and Articles on Value of Reuse (Updated for 2005)
  - Joint Breakout Session with ESDS WG on Technology

- On Initiating Reuse and Establishing Reuse Capabilities and Practices
  - Developed Trade Study on Software Repository and Catalog Systems
  - Planning to Provide Online Capabilities for Accessing Reusable Assets

- On Overcoming Obstacles to Reuse and Improving Reuse Practices
  Developed # Project Case Studies Describing Reuse Experiences and Success Stories
  - Falke, S. SHAirED
  - Jasmin, T. Satellite Observations in Science Education (SOSE)
  - Teng, B. Simple, Scalable, Script-based Science Processor for Measurements (S4PM)
  - Swick, R. JAVA search and order interface for V0 datasets

Continuing Contributions
to Outreach and Education on Reuse

Submitting Articles on Reuse

- Marshall, J. et. al. Earth Science Software Reuse Enablement Systems (Accepted for presentation at AGU Fall 2005 Meeting)
- Olding, S. et. al. Software Reuse Practices Within the Earth Science Community (Accepted for presentation at AGU Fall 2005 Meeting)

Improving Software Reuse Portal

- http://softwarereuse.gsfc.nasa.gov/